

DIV-D Uncompressed Video Optical

Model: LM-THF107

USER MANUAL

Product Introduction

LM-THF107 is a extender device of high-definition video transmission use fiber optic, just need a single fiber will be able to transmit 1080p signal over long distances, it support audio transmission; This product is ideal for large-screen display, conferencing systems and home entertainment and so on. The device has the ability of anti-interference, to ensure the stability of the signal.

Features

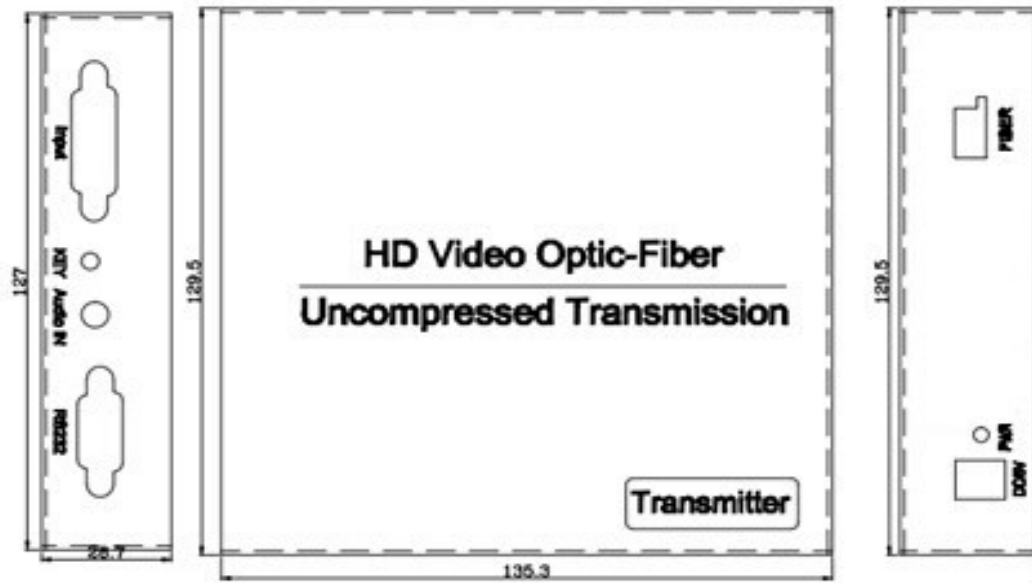
1. Long-distance transmission of DVI-D, audio, RS-232 signals via a single optical fiber.
2. All-digital, uncompressed, high-definition optical fiber transmission.
3. HDCP Unvarnished Transmission, EDID Unvarnished Transmission
4. The sender supports DVI audio transmission and independent stereo transmission.
5. The receiver DVI can take the audio output and a separate stereo output.
6. Supports 1080p 60Hz, single-mode fiber transmission up to 1 km.
7. Real-time transmission of high-definition uncompressed DVI digital video signal, the video is clear and stable
8. Support for serial Unvarnished Transmission, baud rate can adapted by itself.
9. Built-in ESD protection circuitry, can effectively prevent electrostatic damage
10. Site installation: easy, plug and play, no need to set

Package Contents

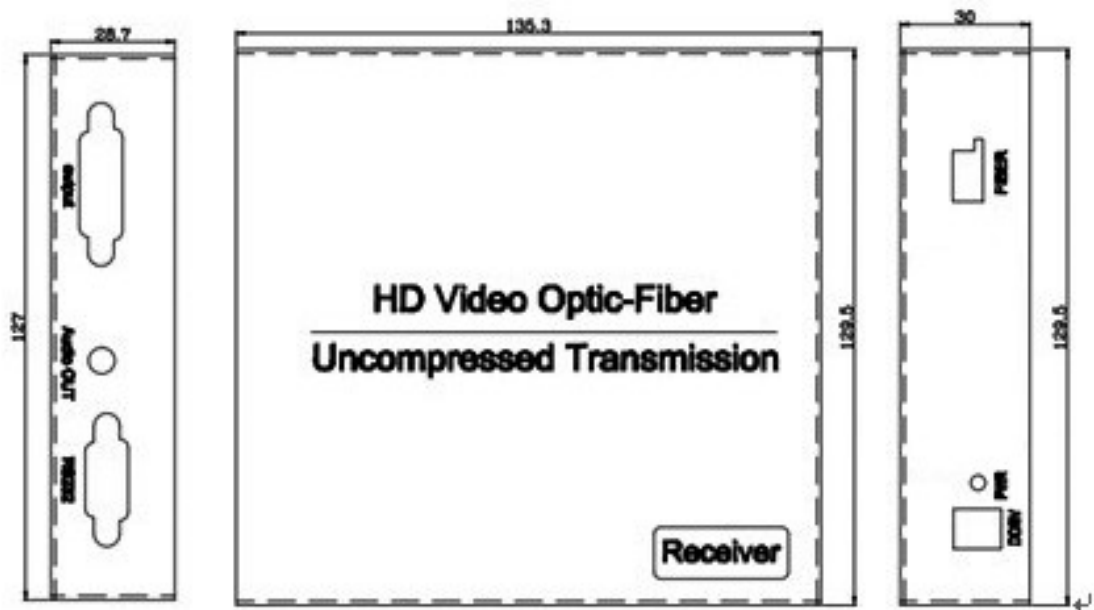
1. 1pcs DVI Fiber Optic Transmitter
2. 1pcs DVI Fiber Optic Receiver
3. 2pcs Power Adapter 5V/2A
4. 1pcs User Manual

Panel Description

Transmitter



Receiver



Receiver port name	Description
INPUT	Digital DVI-D input, analog input is not supported
Audio IN	Stereo audio input
RS232	DB9 Serial ports
DC/5V	Optical modules fiber interface
Fiber	Optical interface
Transmitter port name	Description
OUTPUT	Digital DVI-D output, analog output is not supported
Audio out	Stereo audio output

RS232	DB9 Serial ports
DC/5V	Optical modules fiber interface
Fiber	Optical interface

Note: This product supports DVI with audio, also support external audio, two election.

Specifications

Operating Temperature Range	-5 to +35° C
Operating humidity range	5 to 90 % RH (no condensation)
Input video signal	0.5-1.0 volts p-p
Input DDC signal	5 volts p-p (TTL)
Video Format	DTV/HDTV: 1080P/1080i/720P/576P/480P/576i/480i
Audio output	Stereo
Transmission Distance (Max.)	Use single-mode single fiber module up to one kilometer
Optical interface	LC optical interface
Fiber Wavelength	1310nm /1550nm FP
Input Power	Direct-current 5V/2A, Inside is positive, outside is negative
Power Consumption	Transmitter 5W Receiver 5W
Package Size(L*W*H)	300*255*110mm
Weight	1.8kg

Installation

1. Connect the DVI signal source to DVI Optical transmitter.
2. Optical DVI stereo audio access to the Transmitter.
3. The DVI signal to DVI Optical signal receiver connect to a display device (such as high-definition televisions, splicing screen, etc.).
4. DVI Optical receiver output audio access to audio equipment.
5. Use LC single mode fiber cable to connect the transmitter and the receiver of the optical fiber ports
6. The DVI Optical receiver on power, DVI Optical transmitter on power.

Application Diagram

